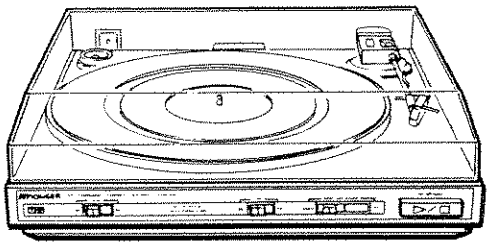
SPARE PARTS MASTER

Master

Operating Instructions

STEREO TURNTABLE

PL-X340



Thank you for buying this Pioneer product.
Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.
In some countries or regions, the shape of the power plug and power outlet may sometimes differ from that shown in the explanatory drawings. However, the method of connecting and operating the unit is the same.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

IMPORTANT NOTICE
[For U.S. and Canadian models]

The serial number for this equipment is located on the rear panel. Please write this serial number on your enclosed warranty card and keep it in a secure area. This is for your security.

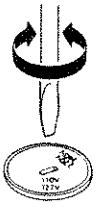
"This product is manufactured to comply with the radio interference requirements of EEC Directive 76/889/EEC and 82/499/EEC."

LINE VOLTAGE SELECTOR SWITCH

Only multi-voltage models are provided with this switch. U.S., Canadian, European, U.K., and Australian models are not provided with this switch.
Mains voltages in Saudi Arabia are 127V and 220V only.

The line voltage selector switch is located on the top of the cabinet of this turntable. Before your turntable is shipped from the factory, the switch is set to the power requirements of the turntable's destination. Check that it is set properly before plugging the power cord into the outlet. If the voltage is not properly set or if you move to an area where the voltage requirements differ, adjust the selector switch as follows:

- Use a medium-sized screwdriver. Insert the tip of the screwdriver into the groove of the selector switch and turn it so that the power voltage marking of your area points to the arrow.



PIONEER®
The future of sound and vision.

IMPORTANT 1

The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user of the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION:
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT 2

If the apparatus is fitted with AC mains power outlet(s), see REAR PANEL FACILITIES for convenient connection of additional Hi-Fi component(s). Make all connections to the AC outlet(s) and the signal terminals first. Connect the plug to the wall socket last, make sure that the power switch is off.
The power switch is secondary connected and therefore does not separate the unit from mains power in STAND-BY (tone arm is on the rest) position.

FOR USE IN THE UNITED KINGDOM

WARNING: This plug must only be connected to electronic apparatus equipped with suitable sockets.
If not, cut off the plug and fit an appropriate type in accordance with the instructions below.
The cut-off plug must be disposed of as an electrical shock hazard could exist if connected to a socket outlet.

The wires in this mains lead are coloured in accordance with the following code:

Blue: Neutral
Brown: Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured marking identifying the terminals in your plug proceed as follows:
The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

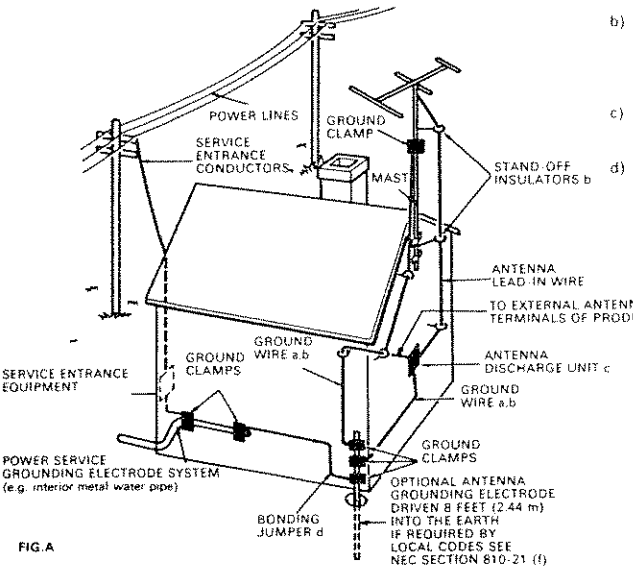
SAFETY INSTRUCTIONS

READ INSTRUCTIONS — All the safety and operating instructions should be read before the appliance is operated.
RETAIN INSTRUCTIONS — The operating instructions should be retained for future reference.
HEED WARNING — All warnings on the appliance and in the operating instructions should be adhered to.
FOLLOW INSTRUCTIONS — All operating and use instructions should be followed.
WATER AND MOISTURE — The appliance should not be used near water — for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.
LOCATION — The appliance should be installed in a stable location.
WALL OR CEILING MOUNTING — The appliance should not be mounted to a wall or ceiling.
VENTILATION — The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
HEAT — The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
POWER SOURCES — The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
POWER-CORD PROTECTION — Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
POLARIZATION — If your purchased product is provided with a polarized power plug, please read the following instructions. This product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
CLEANING — The appliance should be cleaned only with a polishing cloth or a soft dry cloth. Never clean with furniture wax, benzine, insecticides or other volatile liquids since they may corrode the cabinet.
POWER LINES — An outdoor antenna should be located away from power lines.
NONUSE PERIODS — The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
OBJECT AND LIQUID ENTRY — Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
DAMAGE REQUIRING SERVICE — The appliance should be serviced by a Pioneer authorized service center or qualified service personnel when:

- The power-supply cord or the plug has been damaged; or
- Objects have fallen, or liquid has been spilled into the appliance; or
- The appliance has been exposed to rain; or
- The appliance does not appear to operate normally or exhibits a marked change in performance; or
- The appliance has been dropped; or the enclosure damaged.

SERVICING — The user should not attempt to service the appliance beyond that described in the operating instructions. For all other servicing, contact the nearest Pioneer authorized service center.

OUTDOOR ANTENNA GROUNDING — If an outside antenna is connected to the antenna terminal, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges.
In the U.S.A. section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Fig. A.


POWER LINES
GROUND CLAMP
SERVICE ENTRANCE CONDUCTORS
MAST
STAND-OFF INSULATORS b
ANTENNA LEAD-IN WIRE
TO EXTERNAL ANTENNA TERMINALS OF PRODUCT
GROUND WIRE a,b
GROUND CLAMPS
ANTENNA DISCHARGE UNIT c
SERVICE ENTRANCE EQUIPMENT
GROUND WIRE a,b
GROUND CLAMPS
POWER SERVICE GROUNDING ELECTRODE SYSTEM (e.g. interior metal water pipe)
OPTIONAL ANTENNA GROUNDING ELECTRODE DRIVEN 8 FEET (2.44 m) INTO THE EARTH IF REQUIRED BY LOCAL CODES SEE NEC SECTION 810-21 (f)
BONDING JUMPER d
FIG.A

a) Use No. 10 AWG (5.3 mm^2) copper, No. 8 AWG (8.4 mm^2) aluminum, No. 17 AWG (1.0 mm^2) copperclad steel, bronze wire, or larger as ground wire.
b) Secure antenna lead-in and ground wires to house with stand-off insulators spaced from 4 feet (1.22 meters) to 6 feet (1.83 meters) apart.
c) Mount antenna discharge unit as closely as possible to where lead-in enters house.
d) Use jumper wire not smaller than No.6 AWG (13.3 mm^2) copper, or the equivalent, when a separate antenna-grounding electrode is used.
See NEC Section 810-21 (j).

CONTENTS

Features 3
Handling Precautions 3
Before Operating Turntable 3
Connections 4
Names and Uses of Parts 5
How to Play Records 6
Troubleshooting 8
Specifications 8

FEATURES

Fully automatic operation with low mass tonearm.

DC servo motor for low rumble and wow and flutter.

High performance [HP] plug-in cartridge supplied.

HANDLING PRECAUTIONS

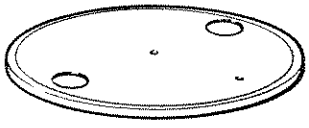
1. Install on a solid, flat surface — but not on top of a speaker.
2. Install away from high heat, moisture, or direct sunlight. Avoid dust, dirt, smoke and steam.
3. Install away from TV sets and tuners. To avoid interference, use an outdoor antenna or turn off the TV set and tuners.
4. Moisture may condense on the turntable if it is brought from a cold area to a warm room, or if room temperature increases rapidly. If so, do not use until moisture evaporates.
5. To clean records, use an antistatic spray or cleaning fluid and soft cloth. Wiping with a dry cloth or brush may cause static noise.

BEFORE OPERATING TURNTABLE

CONFIRM SUPPLIED ACCESSORIES

Platter mat

EP adaptor
(You will find this taped to the center of the cabinet.)



Platter

INFORMATION TO USER [FOR U.S. MODEL]

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

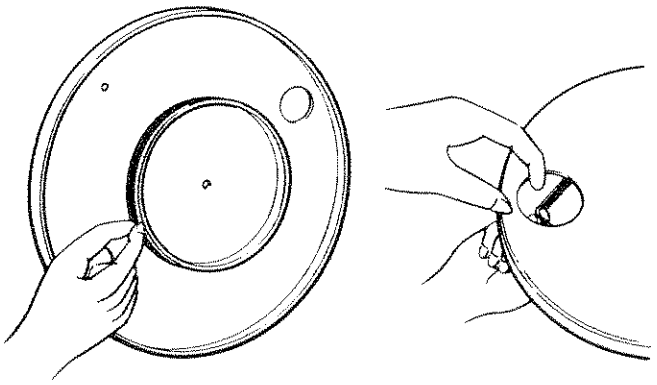
- reorient the receiving antenna
- relocate this component with respect to the receiver
- move this component away from the receiver
- plug this component into a different outlet so that component and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:
"How to Identify and Resolve Radio-TV Interference Problems".
This booklet is available from the US Government Printing Office, Washington, D.C., 20402, Stock No. 004-000-00345-4.

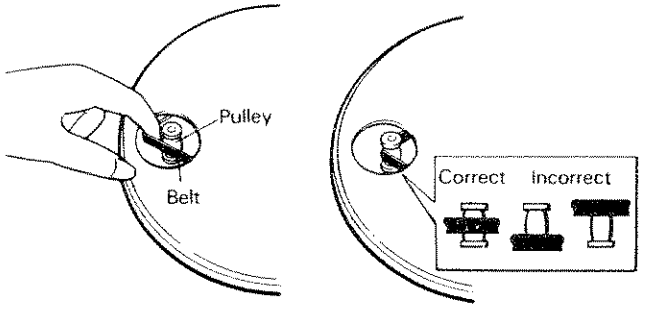
The above instructions apply only to units which will be operated in the United States.

ASSEMBLY

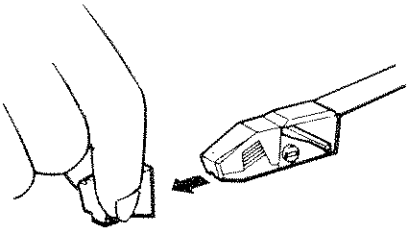
1. Pull dust cover up and off of rear hinges.
2. Turn over platter.
3. Pinch belt on inner rim between thumb and forefinger.
4. Slip belt over thumb and pull out, inserting thumb in hole.



5. Insert forefinger from top of platter and transfer belt to forefinger.
6. Lower platter onto spindle.
7. Release belt onto pulley.



8. Place platter mat on platter (with "PIONEER" side up).
9. Remove plastic band and release tonearm from armrest.
10. Remove plastic cover from cartridge stylus.

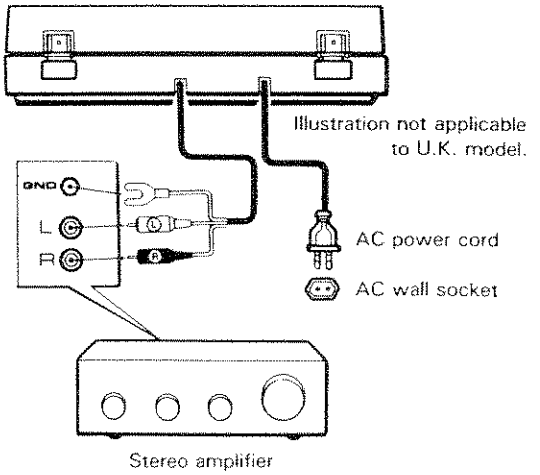


11. Replace dust cover on rear hinges.

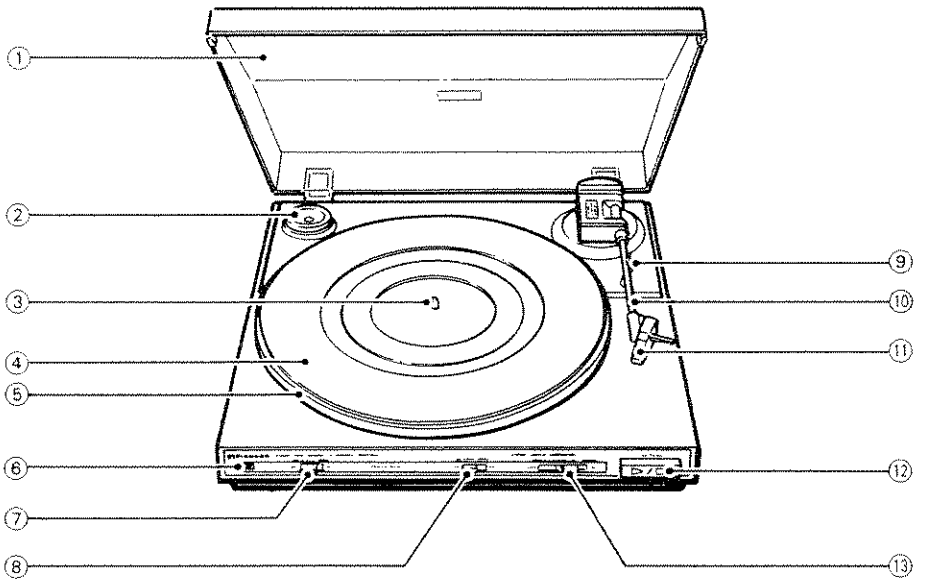
CONNECTIONS

If your amplifier or receiver has both MM and MC phono jacks, use the MM jacks. Be sure plugs are pushed fully into jacks.

1. Attach ground lead to amplifier or receiver ground (GND) terminal.
2. Connect red plug to amplifier or receiver PHONO R jack.
3. Connect white plug to amplifier or receiver PHONO L jack.
4. Plug power cord into AC wall socket (or amplifier or receiver AC outlet).



NAMES AND USES OF PARTS



① **Dust Cover**

② **EP Adaptor**
Place over spindle to play 45-rpm singles.

③ **Spindle**

④ **Platter Mat**

⑤ **Platter**

⑥ **Cabinet**

⑦ **SPEED Selector**
Set to 45 for 45-rpm records
Set to 33 for 33 1/3-rpm records

⑧ **SIZE Selector**
Set to 30 for 30-cm records
Set to 17 for 17-cm records

⑨ **Armrest**

⑩ **Tonearm**

⑪ **Cartridge/Stylus**

⑫ **PLAY/STOP Button**
Press to start automatic play and to stop play.

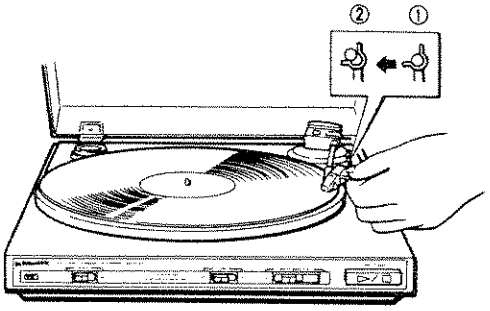
⑬ **ARM-ELEVATION Control**
Moves tonearm up and down.

HOW TO PLAY RECORDS

Use AUTO PLAY to hear an entire record. Use MANUAL PLAY to play non-standard size records or to hear part of a record.

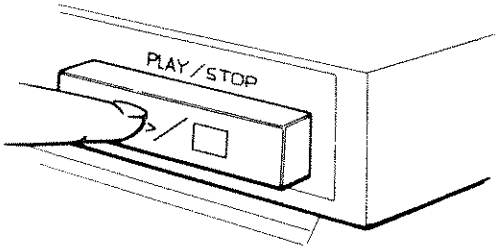
BEFORE PLAYING

1. Open dust cover.
2. Put record on platter.
3. Set SPEED selector.
4. Set SIZE selector.
5. Release tonearm and set on armrest.
6. Close dust cover.
7. Set amplifier or receiver source to PHONO.



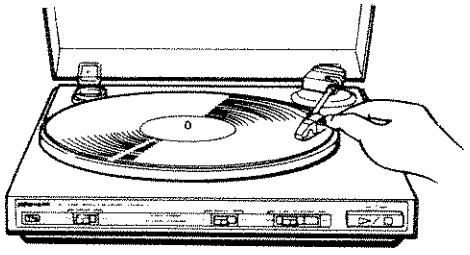
AUTO PLAY

1. Set ARM-ELEVATION to DOWN.
2. Press PLAY/STOP button.
3. Adjust volume and tone controls on amplifier or receiver.



MANUAL PLAY

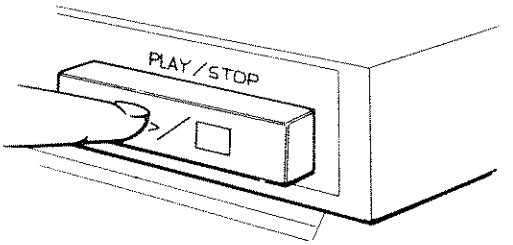
1. Leave dust cover open.
2. Set ARM-ELEVATION to UP.
3. Move tonearm so it is above desired track.



4. Set ARM-ELEVATION to DOWN.
5. Adjust volume and tone controls on amplifier or receiver.

STOPPING PLAY

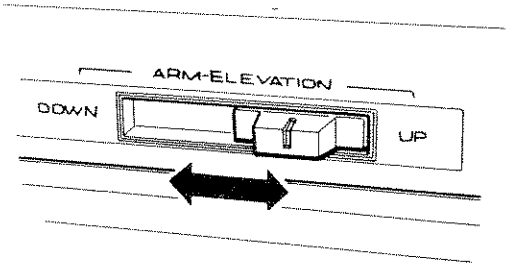
1. Press PLAY/STOP button.



The tonearm will rise and return to the armrest and the platter will stop rotating. This occurs automatically at the end of the record.

TEMPORARILY INTERRUPTING PLAY

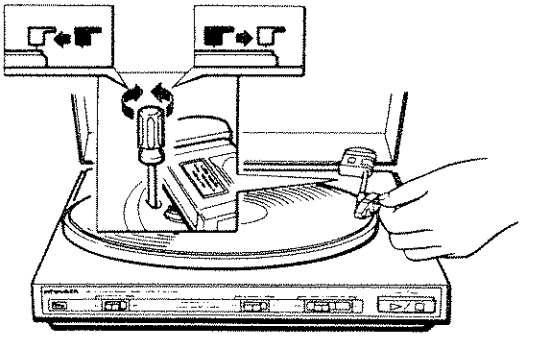
1. Set ARM-ELEVATION to UP.
2. To resume, set ARM-ELEVATION to DOWN.



LEAD-IN POSITION ADJUSTMENT

If the tonearm does not set down at the correct point when you use the AUTO PLAY procedure, then adjust it as below.

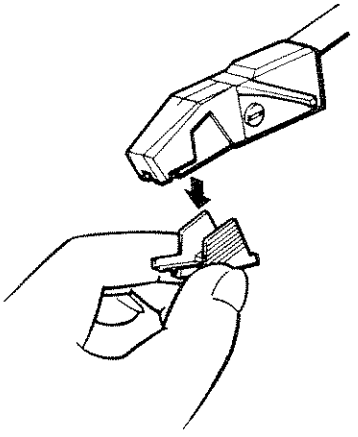
1. Put on a 30cm record.
2. Press PLAY/STOP.
3. Watch whether the tonearm sets down too far in or too far out.
4. Press PLAY/STOP.
5. Set ARM-ELEVATION to UP.
6. Move tonearm over outer edge of record so that adjustment screw appears in hole near tonearm pivot.
7. Insert a small standard type screwdriver.
8. Turn screwdriver clockwise to make tonearm set down further inward. Or, turn screwdriver counterclockwise to make tonearm set down further outward.



9. Return tonearm to armrest.
10. Set ARM-ELEVATION to DOWN.
11. Press PLAY/STOP to confirm that the tonearm sets down at the correct position.

REPLACING THE STYLUS

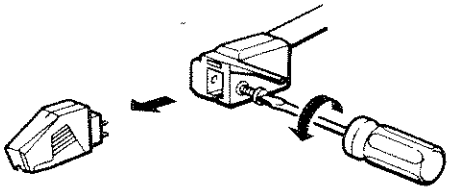
1. To avoid record damage, replace the stylus after about 800 hours of use. (After about one year if you play records about two hours every day.)
2. Use the Pioneer PN-295T replacement stylus.
3. To replace, pull off the old stylus holder and carefully push in the new one. Refer to illustration.



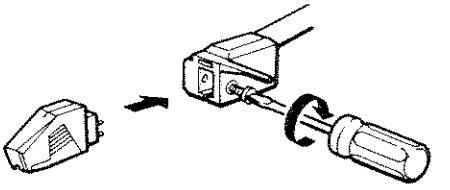
CARTRIDGE REPLACEMENT

Replacement is not necessary unless you wish to try a different cartridge.

1. Remove screw.
2. Pull off cartridge.

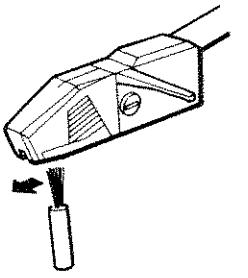


3. Plug in new cartridge.
4. Tighten screw.



STYLUS CARE

1. Remove dust by wiping stylus with a soft brush. Wipe forward.
2. If you use stylus cleaning fluid, avoid spilling onto rubber or plastic parts of the cartridge.



TROUBLESHOOTING

Most problems can be easily solved, as described in this chart. If trouble persists, consult your PIONEER authorized service center or dealer.

Symptom	Probable Cause	Remedy
Platter does not rotate	• Power plug is disconnected. • Turntable is plugged into switched AC outlet on amplifier or receiver but main power is off. • Platter belt is not on pulley.	• Plug power cord into AC outlet. • Turn on amplifier or receiver power switch. • Hook belt over pulley.
No sound	• Poor connections to amplifier or receiver. • Cartridge or stylus is not attached correctly. • Amplifier or receiver settings are not correct.	• Connect to correct jacks on amplifier or receiver. • Attach cartridge or stylus correctly. • Change settings on amplifier or receiver.
Music sounds noisy. Tonearm skips.	• Record is dusty or dirty. • Record is warped or scratched. • Dirt on plugs or jacks. • Dust or dirt on stylus. • Stylus is worn.	• Clean record, using cleaning fluid and soft cloth. • Use a good record. • Clean plugs and jacks, using a wire brush. • Use a stylus brush to clean stylus. • Replace stylus or cartridge.
Feedback or "howling" noise	• Tonearm cartridge is being excited by speaker vibrations.	• Place turntable on a solid support away from the speakers.
Humming or buzzing noise	• Poor connections to amplifier or receiver. • Cartridge or stylus is not attached correctly. • Interference from amplifier or receiver transformer, TV set, electric motor, or other appliance.	• Connect to correct jacks on amplifier or receiver. • Attach cartridge or stylus correctly. • Move away from source of interference.
Abnormal tempo or pitch	• Speed selector setting does not match record speed. • Belt is not in center of pulley.	• Set speed selector to match record speed. • Hook belt on center of pulley.
Tonearm does not set down at correct position when using AUTO PLAY procedure.	• Record size is not standard. • Size selector settings does not match record size. • Tonearm lead-in position needs adjustment.	• Use MANUAL PLAY procedure. • Set size selector to match record size. • Adjust lead-in position.

SPECIFICATIONS

PHONOGRAPH MOTOR AND PLATTER

Motor type ..... DC servo motor
Drive system ..... Belt drive system
Speed of rotation ..... 2 speeds: 33-1/3, 45 rpm
Wow and Flutter ..... No more than 0.07% WRMS
No more than ±0.10% WTD Peak (DIN)
S/N ratio ..... More than 63 dB (DIN-B)
Platter ..... Diameter ø295 mm, aluminium die-cast

TONE ARM

Type ..... Dynamic balance straight pipe arm

SUPPLIED CARTRIDGE

Type ..... MM type
Replacement stylus PN-295T
Stylus ..... 0.6 mil diamond
Output voltage ..... 2.5 mV (1 kHz, 5 cm/s)
Frequency response ..... 10 Hz—30,000 Hz

POWER SUPPLY, OTHER

Power requirements
European, U.K., Australian models ..... a.c. 220—240 Volts ~ , 50/60 Hz
U.S., Canadian models ..... ~ AC 120V, 60 Hz
Other destination models ..... a.c. 110—127 Volts/ 220—240 Volts ~ (switchable) 50/60 Hz
Power consumption ..... 2 W
External dimensions ..... 360 (W) x 90 (H) x 350.5 (D) mm
14-3/16 (W) x 3-9/16 (H) x 13-13/16 (D) in
Netweight ..... 2.7 kg (5 lb 15 oz)

SUPPLIED ACCESSORIES

EP adaptor 1
Operating instructions 1

NOTE:
Specifications and design subject to possible modification without notice, due to improvements.

PIONEER ELECTRONIC CORPORATION 4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153, Japan
PIONEER ELECTRONICS [USA] INC. 2265 East 220th Street Long Beach, California 90810 U.S.A.
P.O. BOX 1720 Long Beach, California 90801-1720 U.S.A.
PIONEER ELECTRONICS OF CANADA, INC. 505 Cochrane Drive, Markham, Ontario L3R 8E3 Canada
PIONEER ELECTRONIC [EUROPE] N.V. Keetberglaan 1, 2740 Beveren, Belgium TEL: 03/775-28-08
PIONEER ELECTRONICS AUSTRALIA PTY. LTD. 178-184 Boundary Road, Braeside, Victoria 3195, Australia TEL: (03) 580-9911

<88C00FF2S01>
Printed in Japan <PRB1050-A>